

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Kurozumi, et al.

Application No.: Unassigned

Filed: Herewith

For: SIGNAL DETECTION METHOD AND
APPARATUS, RELEVANT PROGRAM,
AND STORAGE MEDIUM STORING
THE PROGRAM

Group Art Unit: Unassigned

Examiner: Unassigned

**INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

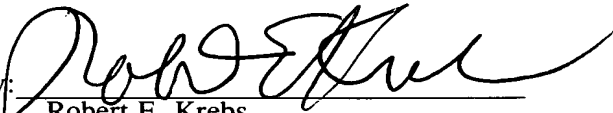
- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$_____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$_____ is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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By: 
Robert E. Krebs
Registration No. 25,885

Date: April 24, 2001



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KUROZUMI, et al.) Group Art Unit: Unassigned
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 APPARATUS, RELEVANT)
 PROGRAM, AND STORAGE)
 MEDIUM STORING THE PROGRAM)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

Accompanying this Disclosure Statement are duplicate copies of form PTO-1449. The Examiner is requested to consider the listed items and to return an initialed copy of the form to the Applicant. To assist the Examiner in entering the foregoing information into the record, copies of the listed documents are provided.

I, the undersigned, hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

The Examiner should be aware that the listed art was cited by the Japanese Patent Office in a search report relating to 2000-128381, from which priority is claimed.

Since the prior art is in a foreign language, an English summary follows for T. Kurozumi, et al. and Japanese Patent No. 3,065,314.

T. Kurozumi, et al., "Quick Audio Searching for a Query Music Signal Received with Portable Phones":

An audio signal searching system employing a signal, as a search key, extracted from sounds existing in the surroundings by using a cellular phone is disclosed. In the disclosed method, feature vectors are extracted from both the searched signal and the search key, so as to generate histograms which are compared. Similarity between the searched signal and the search key is determined based on the compared results.

Japanese Patent No. 3,065,314:

An audio signal searching system for searching an audio signal for a signal portion similar to a reference signal is disclosed. In the disclosed method, features are extracted from both the searched signal and the reference signal, so as to generate feature time-series signals. Based on the feature time-series signals, histograms to be compared are generated. Similarity between the searched signal and the reference signal is determined based on the compared results.

The documents are being submitted within three months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

Respectfully submitted,
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Date: April 24, 2001

INFORMATION DISCLOSURE CITATION

PTO-1449

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032590-092APPLICATION No.
UnassignedAPPLICANT
Kurozumi, et al.FILING DATE
HerewithGROUP
Unassigned
 31017 U.S. PTO
09/841080

04/25/01

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,918,223	06/99	Blum et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
	3,065,314	00/5/12	JP				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	T. Kurozumi et al., "Quick Audio Searching for a Query Music Signal Received with Portable Phones", Proceedings of the 2001 IEICE general conference, D-12-57, P. 224, March 26, 2001.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.